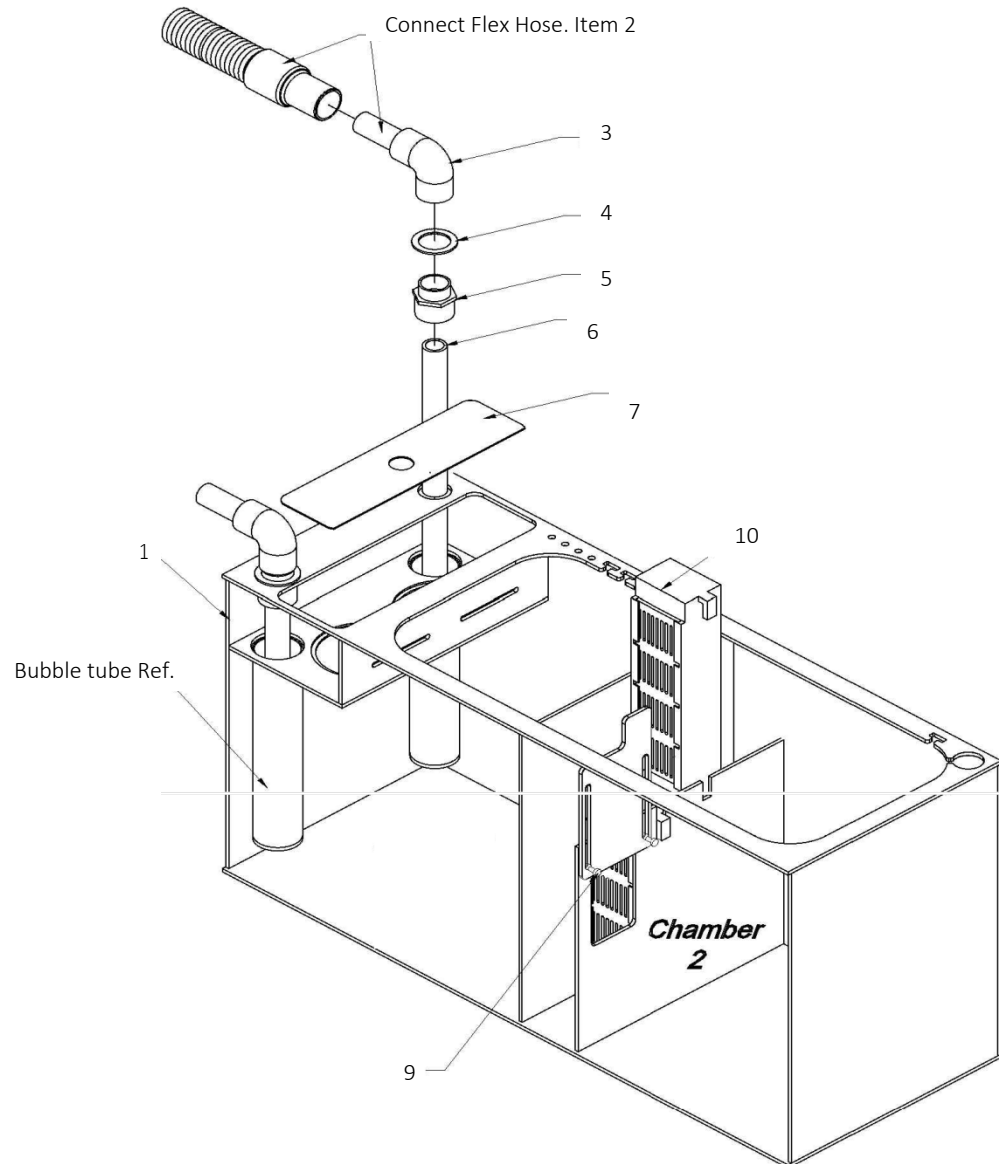


# Freedom Reef Sumps Models

## Parts List:

1. Main Filter Body
2. Flex Hose (3 Ft)
3. Threaded 90 Degree Elbow Assembly
4. Rubber Seal
5. Threaded Slip Fitting
6. Inlet Pipe
7. Lid
8. Filter Sock
9. Nylon Screw
10. Chemical Media Cartridge (optional)





# Freedom Reef Sumps Models

## ASSEMBLY AND INSTALLATION

### INSTRUCTIONS

The **Pro Clear Reef Sump** line was designed to handle all of your reef filtration needs!

#### UNPACK:

Remove the sump from the Packaging; be sure to remove all tape and cardboard. Verify that you have all of the parts that are shown on the parts list.

#### INSTALLATION:

1. Remove Item 3, Threaded 90 Degree Elbow Assembly, Item 4, Rubber Seal, and Item 5, and Threaded Slip Fitting from inside the Item 8, Filter Socks.
2. Install Item 5, Threaded Slip Fitting onto Item 6, Inlet Pipe and place inside the Bubble Tube. Slide threaded end through the holes on top, add Item 4, Rubber Seal and Item 3, Threaded 90 Degree Elbow Assembly, screw hand tight. (Ensure Item 4, Rubber seal is on the filter top.)
3. Remove Item 7, Lid and Item 8, Filter socks. Soak Item 8, Filter Socks in water for an hour. Replace Filter Socks and lid.
4. Place the sump underneath the aquarium. Connect drain hose from Aquarium or Overflow Box to the Item 3, Threaded 90 Degree Elbow Assembly.
5. Place the submersible pump, with the return hose attached, into Chamber 2.

#### FILLING:

1. Fill Chamber 1 with water until it flows into Chamber 2. Continue until water level in Chamber 2 is 1" to 2" over the pump.
2. Fill aquarium until it flows thru the overflow box. Turn the submersible pump on; fill system with additional water until the water level is running steadily 1" to 2" over the pump. Mark water level in Chamber 3 with a marker.
3. Turn off submersible pump and check water level. Wait 15 minutes to insure water movement has ceased. Mark water level in Chamber 2 with a marker.
4. Measure the distance between the 2 marks and add 1 inch, this is the max fill level of the sump. Install Max Water Level sticker in Chamber 2. The sump should never be filled above this level to prevent overflows during power outages.

#### MAINTENANCE:

This should be performed as required. Algae should not be allowed to build up on any parts of the sump. The Item 9, Blue Foam Block should be removed and rinsed in fresh water when doing a water change. The Item 8, Filter Socks should be removed and cleaned every 2 weeks or as needed, especially after cleaning the aquarium. This may be accomplished by turning socks inside out and rinsing with freshwater. You may need to soak overnight in 1 part bleach to 10 parts water; we suggest purchasing an extra set of socks when this is required. Any evaporation taking place in the aquarium will be transferred to the sump area causing the water level to drop in the sump. Fresh water must be added directly to the sump, as needed, to prevent the system from running dry and to maintain constant salinity.

This Pro Clear Aquatic Systems product is covered by a Limited Lifetime Warranty for the original purchaser against defects in materials or workmanship (receipt required).